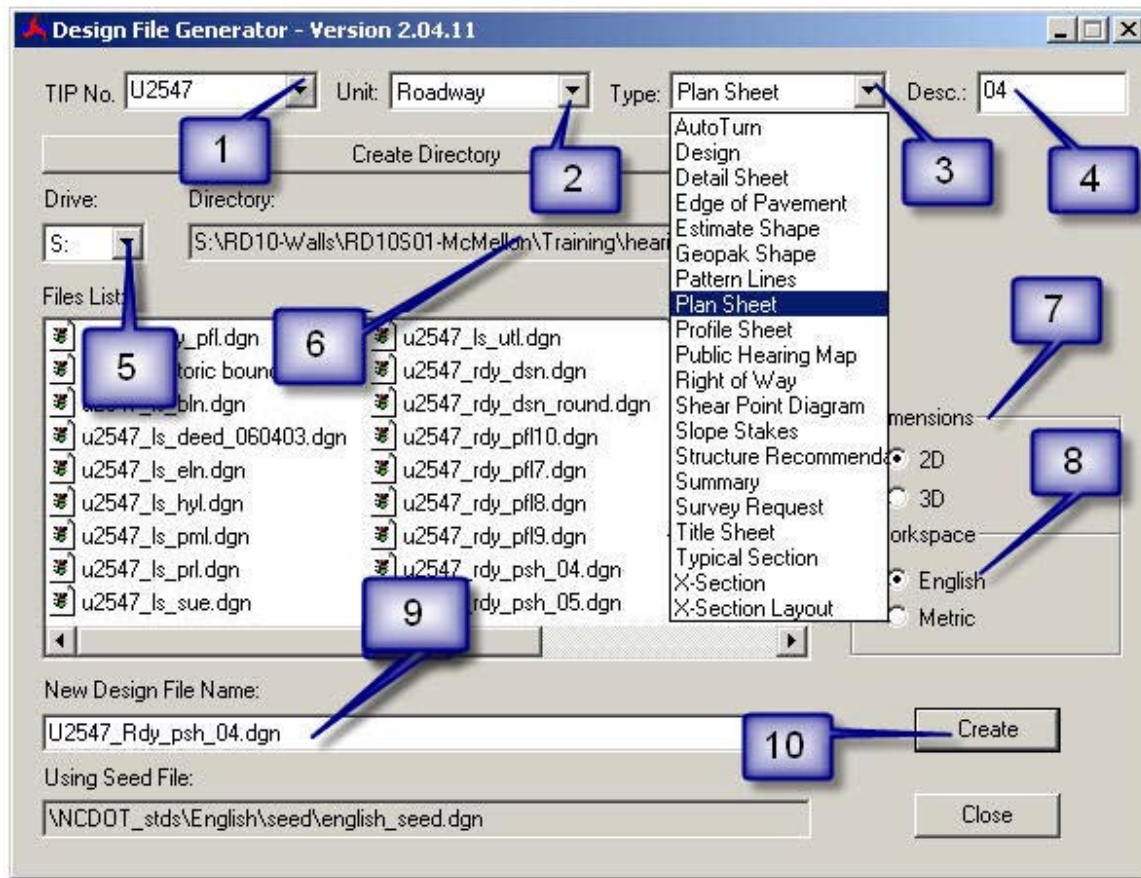


NCDOT ROADWAY PLAN PREPARATION

CHAPTER 3 : PLAN COMPOSITION

Design File Generator



Design File Generator is an application that can be found in your application folder in the NCDOT workspace. This application will automatically name new design files for you w/o you having to remember all the rules and standards for file naming conventions.

1. Insert the **Tip Number**
2. Select the **Unit**
3. Select the **File Type**
4. Insert the **Description**
5. Select the **Drive**
6. Select **Directory**
7. Select the Type of File **Dimensions**
8. Select the **Workspace**
9. Shows You the **New Design File Name**
10. Click **Create** to Store New Design File in the Desired Location (Note: You can double click the file in the **Files list** to open it)

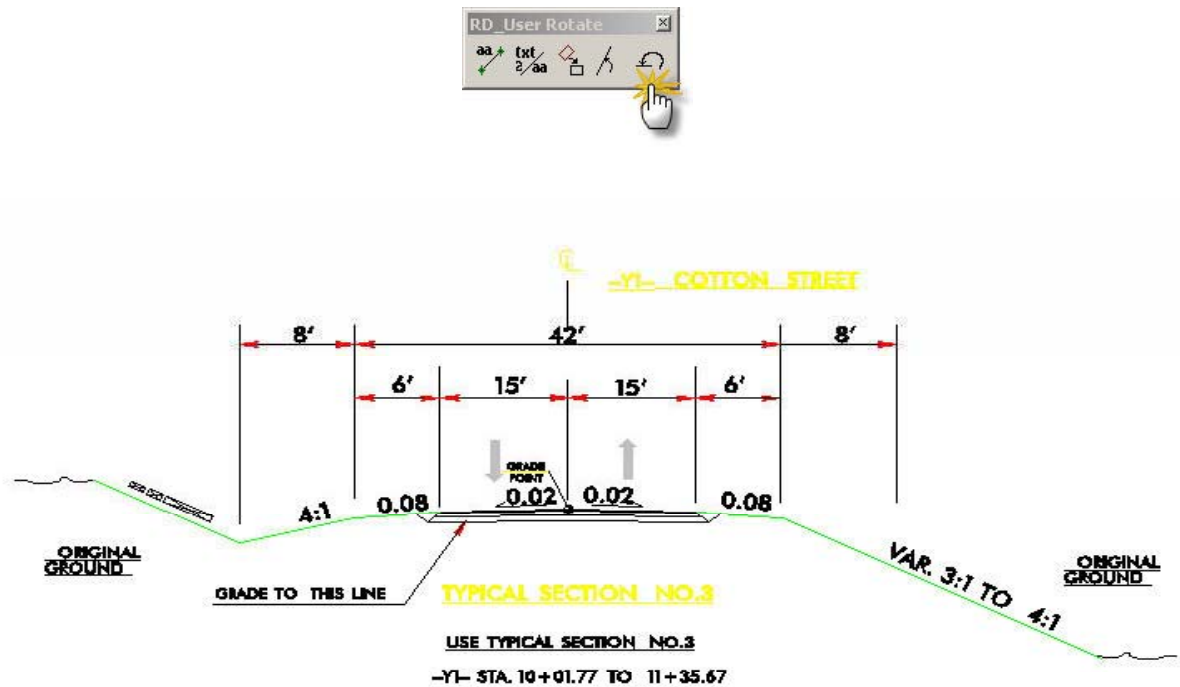
Note: Do **not** put dashes in the Tip Number and do **not** combine the **Type** and **Description** together for example **U-2547_rdy_ps04.dgn**

Exercise 1: Create the following Design Files in U2547 Roadway **Proj** folder: Plan Sheet Layout, Row, Slopestake, Design, Profile, in the Roadway **XSC** folder create the following X-section for **-Y-** X-Section Layout (XPL)for **-Y-** and a pattern line file for **-Y-**.

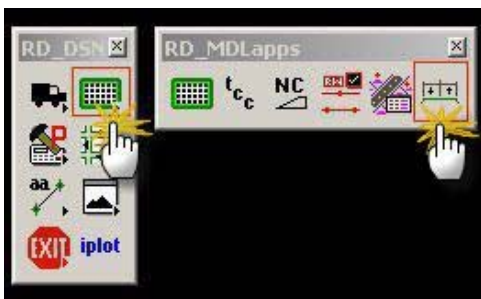
NCDOT ROADWAY PLAN PREPARATION

Typical Section Generator

Open the **U2547_rdy_typ.dgn** design file and verify you are in **TOP VIEW**.



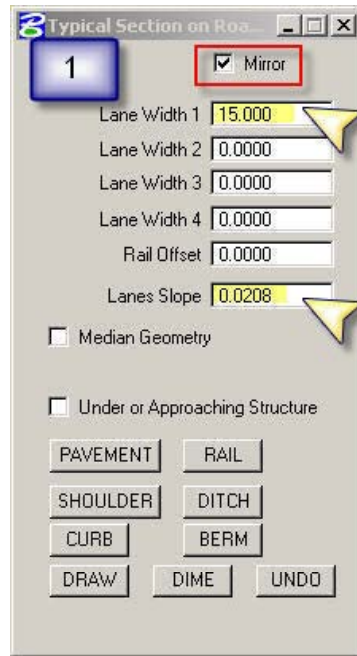
Typical Section Created Manually



From the **RD_DSN** Tool Frame pull off the **RD_MdLapps** Tool Family and select the **Typical Section Generator** Tool Box

NCDOT ROADWAY PLAN PREPARATION

Step 1. Lane Configuration



The 'Typical Section on Road' dialog box is shown with the 'Mirror' checkbox checked. The 'Lane Width 1' field is highlighted with a yellow arrow. The 'Lanes Slope' field is also highlighted with a yellow arrow. The 'Median Geometry' and 'Under or Approaching Structure' checkboxes are unchecked. The 'PAVEMENT', 'RAIL', 'SHOULDER', 'DITCH', 'CURB', and 'BERM' buttons are visible, along with 'DRAW', 'DIME', and 'UNDO' buttons at the bottom.

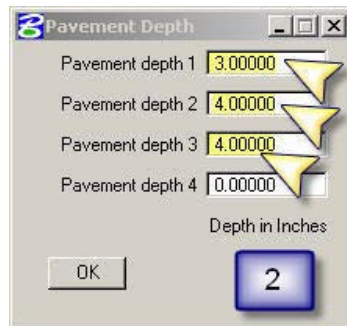
Field	Value
Lane Width 1	15.000
Lane Width 2	0.0000
Lane Width 3	0.0000
Lane Width 4	0.0000
Rail Offset	0.0000
Lanes Slope	0.0208

Note:

Check **on** the mirror tab to draw a symmetrical typical. Check **off** to draw a non-symmetrical typical.

Populate the dialog boxes as shown

Step 2. Pavement Depth

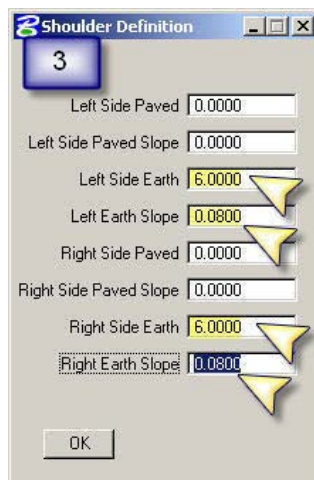


The 'Pavement Depth' dialog box is shown with the 'Pavement depth 1' field highlighted with a yellow arrow. The 'Pavement depth 2' field is also highlighted with a yellow arrow. The 'Pavement depth 3' field is highlighted with a yellow arrow. The 'Pavement depth 4' field is highlighted with a yellow arrow. The 'Depth in Inches' label is visible. The 'OK' button is at the bottom left, and a blue box with the number '2' is at the bottom right.

Field	Value
Pavement depth 1	3.00000
Pavement depth 2	4.00000
Pavement depth 3	4.00000
Pavement depth 4	0.00000

Populate the dialog boxes as shown

Step 3. Shoulder Definition



The 'Shoulder Definition' dialog box is shown with the 'Left Side Earth' field highlighted with a yellow arrow. The 'Left Earth Slope' field is highlighted with a yellow arrow. The 'Right Side Earth' field is highlighted with a yellow arrow. The 'Right Earth Slope' field is highlighted with a yellow arrow. The 'OK' button is at the bottom left.

Field	Value
Left Side Paved	0.0000
Left Side Paved Slope	0.0000
Left Side Earth	6.0000
Left Earth Slope	0.0800
Right Side Paved	0.0000
Right Side Paved Slope	0.0000
Right Side Earth	6.0000
Right Earth Slope	0.0800

Populate the dialog boxes as shown

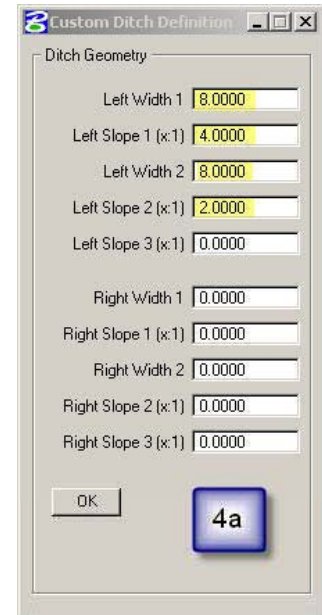
NCDOT ROADWAY PLAN PREPARATION

Step 4. Ditch Definition

Selecting the type of facility draws your ditch as shown in the Roadway Design Manual **Section 1-2A**. Set to **Local** for the **Right** ditch



Selecting **CUSTOM** gives you the ability to customize your ditch definitions. Populate the **Left** Ditch as shown with settings on the right.

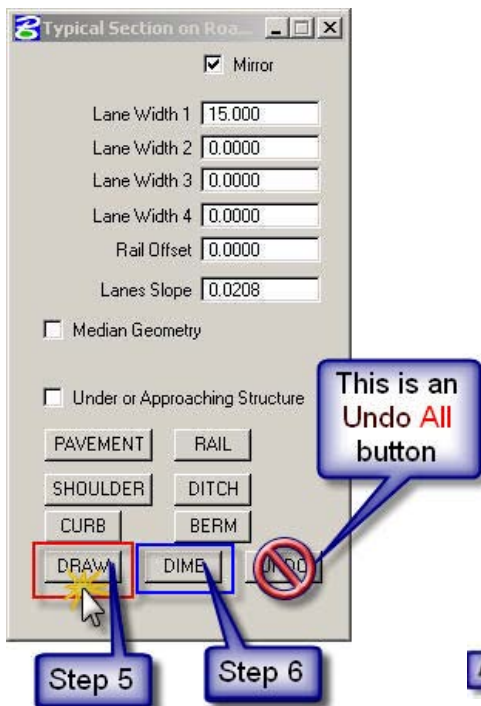


Step 5.

Draw the Typical

Step 6.

Dimensions the Typical



Notes:

The typicals are drawn in consecutive order from top to bottom.

The **UNDO** Button will **Undo All** changes, not just for the typical you are currently working on.

Notes on Scaling a Typical:

(A.) Use the Drop tool box

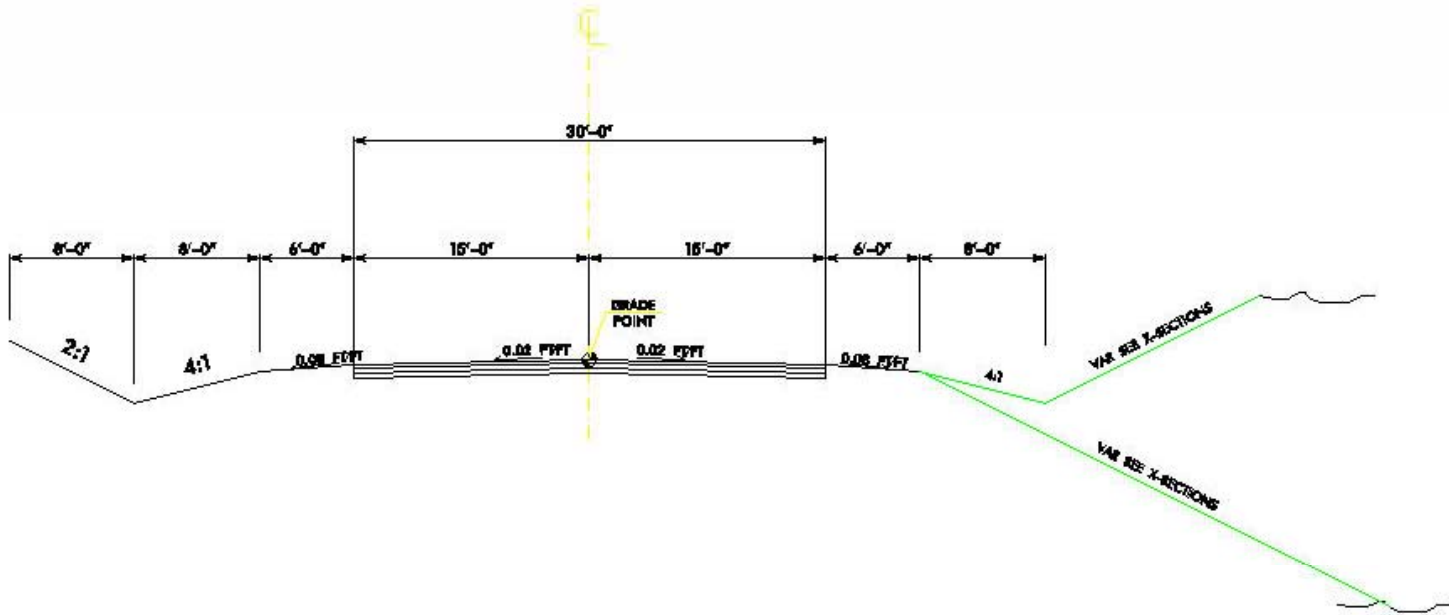
(B.) Check off Dimensions

(C.) Select the entire typical using the Element Selector

(D.) Scale your typical up or down

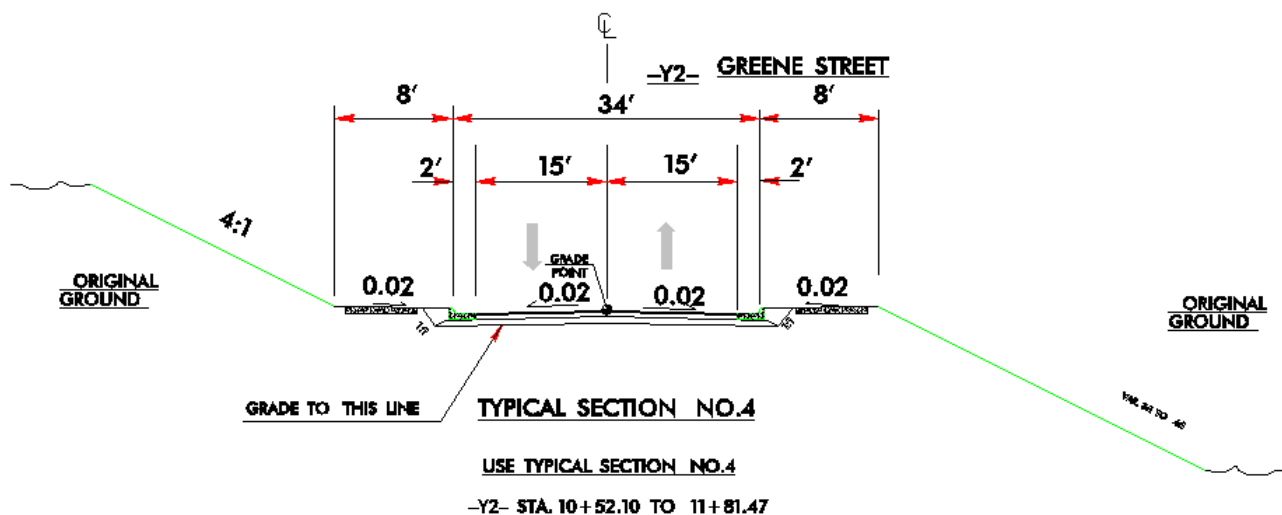


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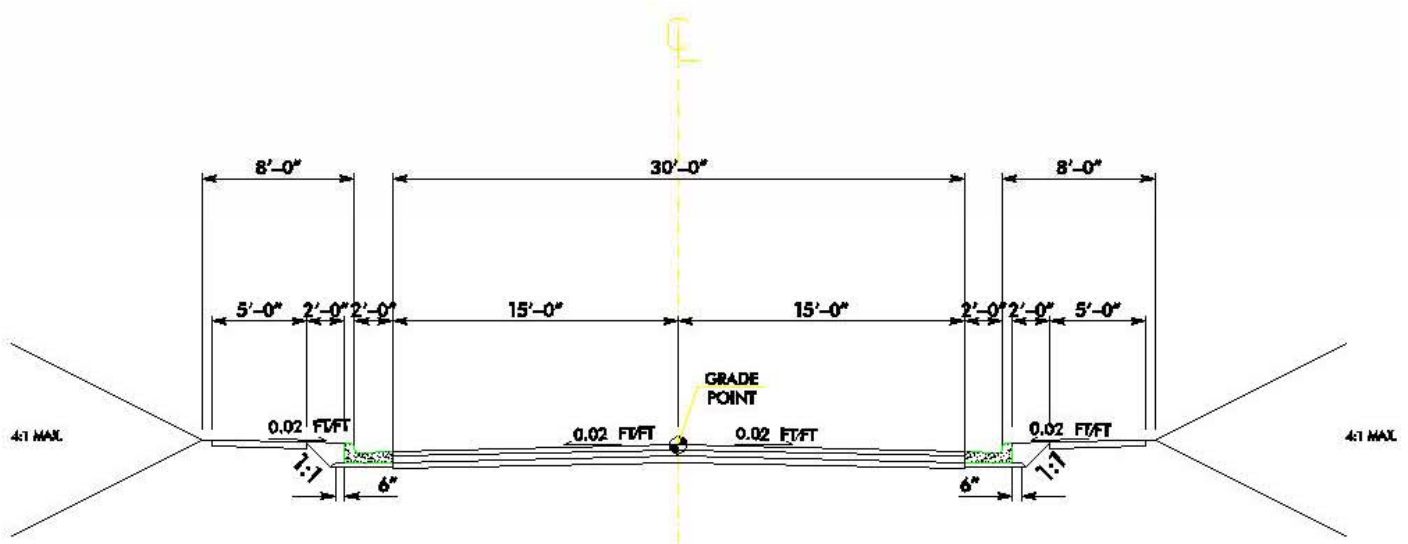
Finished Typical drawn with Typical Section Generator

Exercise 2: Draw the following typical using Typical Section Generator. Use the pavement design from the above example.



Typical Section Created Manually

NCDOT ROADWAY PLAN PREPARATION



Finished Typical drawn with Typical Section Generator for **Exercise 2**

These dialog boxes were used to create the typical for the **Exercise 2**

Typical Section on Roadway

☒ Mirror

Lane Width 1: 15.0000
 Lane Width 2: 0.0000
 Lane Width 3: 0.0000
 Lane Width 4: 0.0000
 Rail Offset: 0.0000
 Lanes Slope: 0.0208

☐ Median Geometry

☐ Under or Approaching Structure

PAVEMENT RAIL
 SHOULDER DITCH
 CURB BERM
 DRAW DIME UNDO

Pavement Depth

Pavement depth 1: 3.00000
 Pavement depth 2: 4.00000
 Pavement depth 3: 4.00000
 Pavement depth 4: 0.00000

Depth in Inches

OK

Curb & Gutter Definition

Curb & Gutter Selection

Curb & Gutter Left: 2'6" CURB&Gt
 Curb & Gutter Right: 2'6" CURB&Gt

Curb & Gutter Base: Earth or Asphalt

OK

Berm Definition

Left Side

BERM WIDTH: 8.0000
 SIDEWALK WIDTH: 5.0000
 SIDEWALK OFFSET: 2.0000
 Back Slope Max(x:1): 4

Right Side

BERM WIDTH: 8.0000
 SIDEWALK WIDTH: 5.0000
 SIDEWALK OFFSET: 2.0000
 Back Slope Max(x:1): 4

OK

Close the U2457_rdy_typ.dgn design file.

NCDOT ROADWAY PLAN PREPARATION

Referencing Design Files

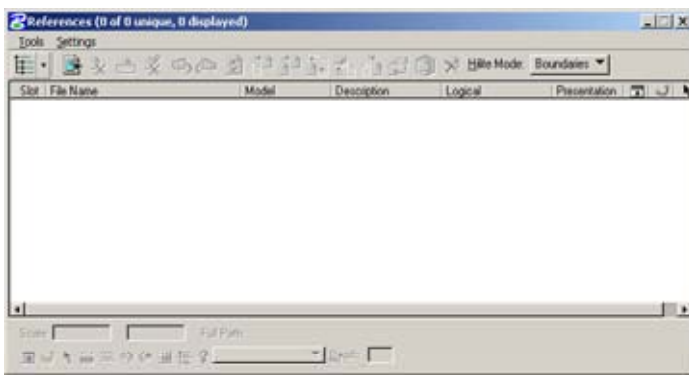
Dialog Box Method

Open the **U2457_rdy_psh_lay.dgn** design file.



Step 1.

Select the **References** Tool Box from the Primary Tool Family



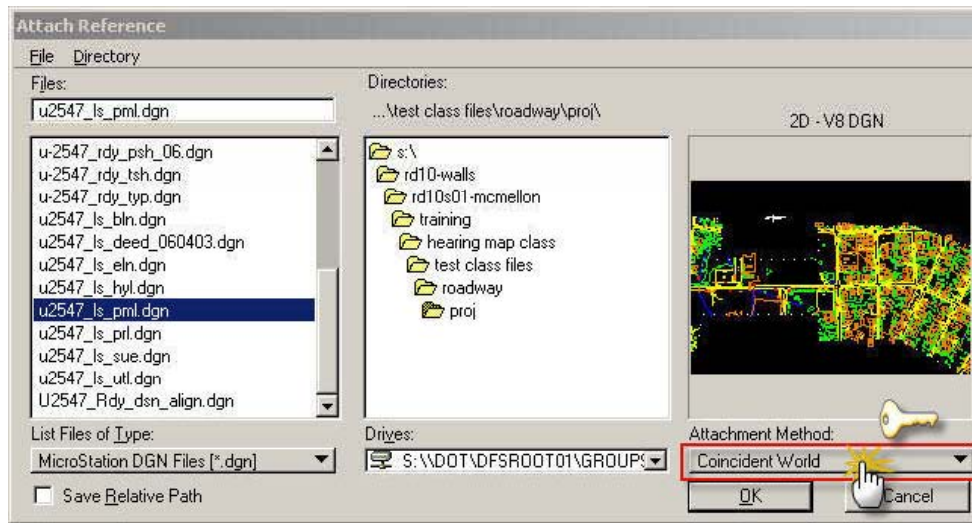
Step 2.

After the dialog box opens select **Tools** then **Attach**

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Step 3.

Choose the **u2547_ls_pml.dgn** design file.



Step 4.

Set your attachment method to **Coincident World**. Then select **OK** to attach the file.



Note:

The attachment method for design files needs to be set to **Coincident World**.

Referencing File Models (Coincident, Coincident-World, and Interactive)

What is the recommended referencing method proposed by Roadway CADD Support?

Coincident World

What is the difference between Coincident, Coincident World, and Interactive Referencing?

coincident – attaching the referenced file **Default** model where its **DESIGN PLANE ORIGIN** is aligned with the master file model **DESIGN PLANE ORIGIN**. If there is a global origin difference between the two file models, then the referenced elements are not coordinately correct with respect to the master file model.

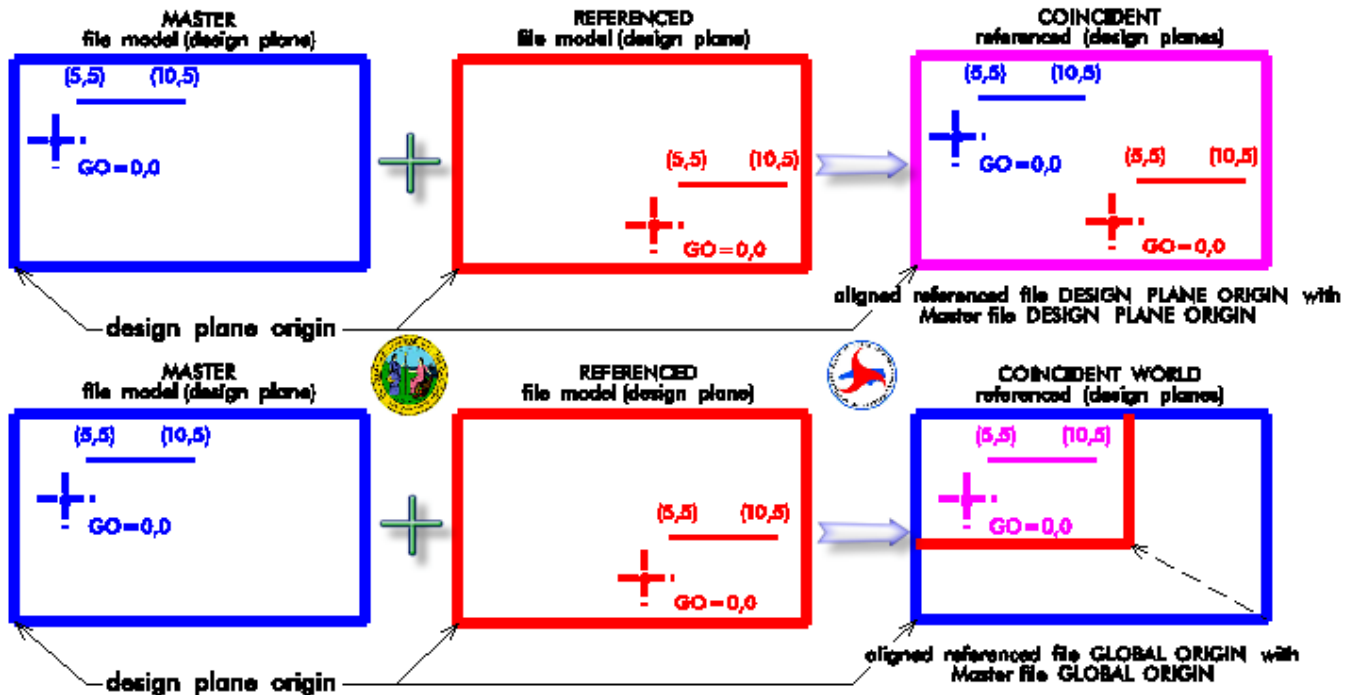
coincident world– attaching the referenced file **Default** model where its **GLOBAL ORIGIN** is aligned with the master file model **GLOBAL ORIGIN**. If there is a global origin difference between the two file models, then the referenced elements **ARE** coordinately correct with respect to the master file model.

(continued on Next page)

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attachment methods

referencing design planes (2D) and design cubes (3D)



interactive – option to reference other models, not just the **Default** model. Coincident and Coincident world attachment methods will still have to be selected. Other options include the ability to key-in logical names and setting live nesting depths.

What is the referenced file model LOGICAL NAME used for?

For regular plan production, specific logical names for the referenced plannametric files will plot out light or shaded underneath the dark solid DSN and master PSH file models.

Exercise 3: Attach the following files shown below to the **U2457_rdy_psh_lay.dgn** design

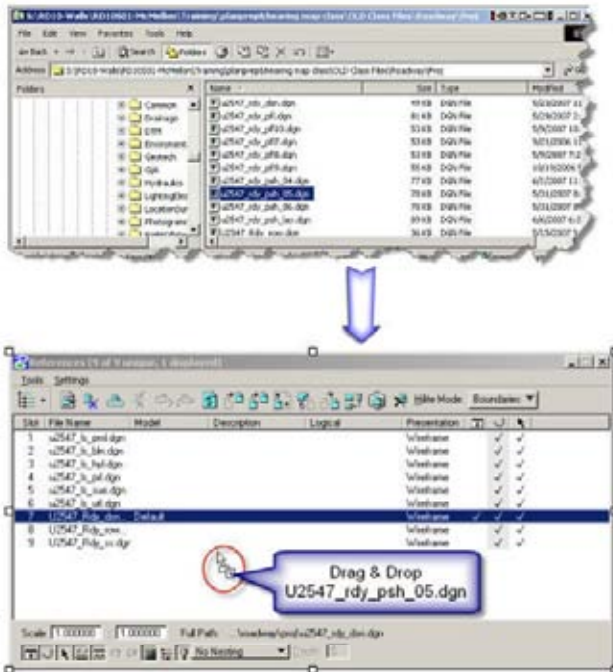
1. U2547_rdy_ss.dgn
2. U2547_rdy_row.dgn
3. U2547_rdy_dsn.dgn
4. U2547_ls_hyl.dgn
5. U2547_ls_utl.dgn
6. U2547_ls_sue.dgn
7. U2547_ls_prl.dgn
8. U2547_ls_bln.dgn

Note:

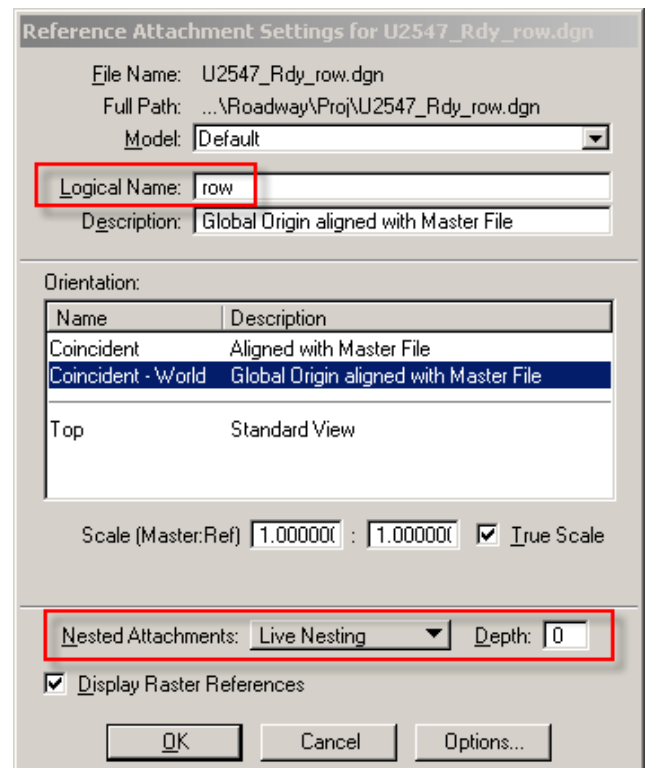
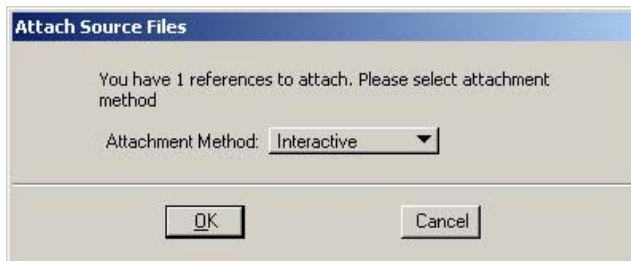
You may also select multiple files at once when attaching them to your design file.

NCDOT ROADWAY PLAN PREPARATION

Drag & Drop Method



Reference Files can also be attached with the **Drag & Drop** Method from Windows Explorer.



Note:

The **interactive method** will allow you to key in your logical name when attaching the reference file. This is the only thing that should be changed. The Nested Attachments should not be changed.

Close the U2547_rdy_psh_lay.dgn design file.

NCDOT ROADWAY PLAN PREPARATION

Draw A Profile Using Geopak Draw Profiles

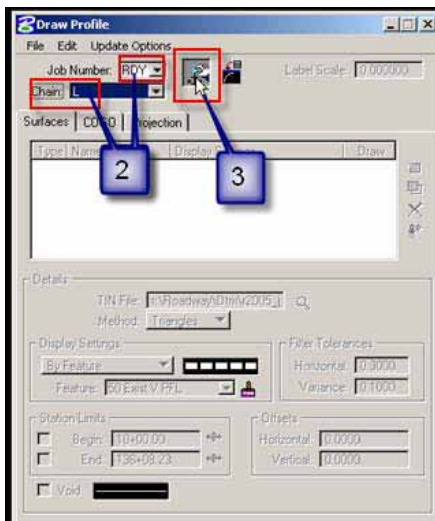
PART I. Existing Ground Profile

Open the **U2457_rdy_pfl.dgn** design file.



Step 1.

From the **Geopak Road** Tool Frame select the **Plan Preparation** Tool Family then select the **Draw Profiles** Tool Box



Step 2.

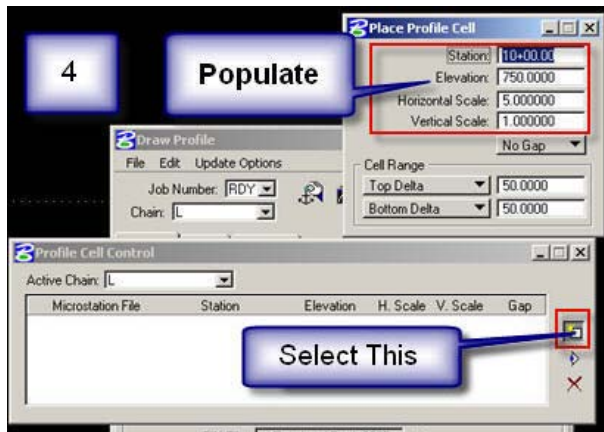
Put in **RDY** for your **Job Number** and **L** for the **Chain**

Step 3.

Select the **Dialog Profile Cell Control** icon



NCDOT ROADWAY PLAN PREPARATION



Step 4.

After **Profile Cell Control Dialog** box opens, choose the top button as shown on the left. Populate the **Place Profile Cell Dialog Box** as shown on left except use **550'** for the elevation. Then place the profile.



Result of **Step 4.**

NOTE:

There are various methods of placing place the cell. Some may place it directly on a profile plan sheet while others may place anywhere in the file and work on their profile afterwards.

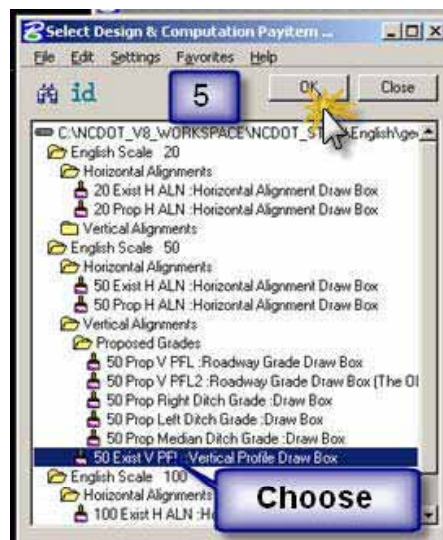
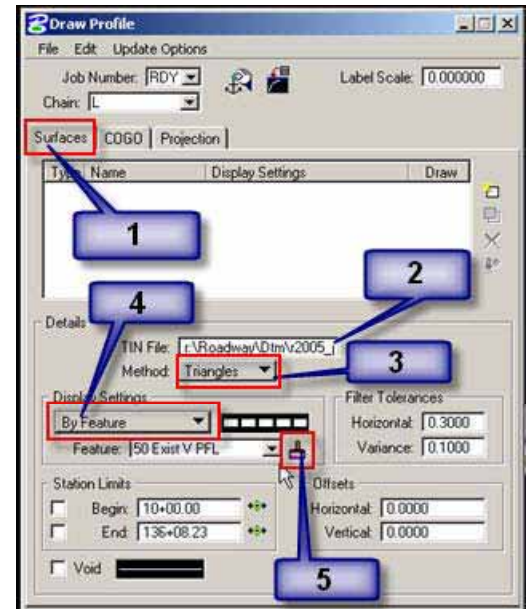


Profile information is added here.

NCDOT ROADWAY PLAN PREPARATION

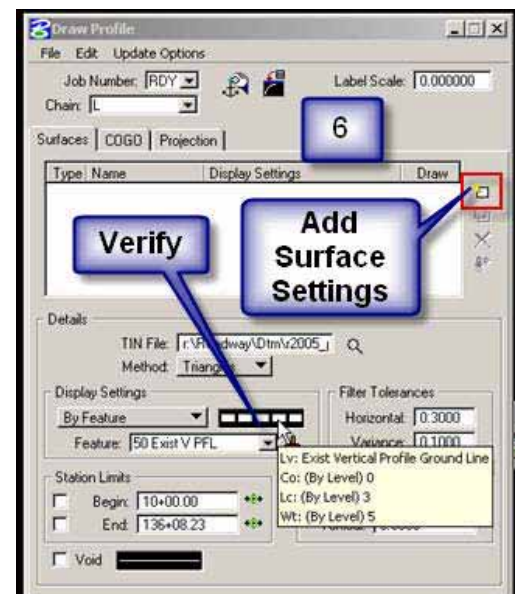
Step 5. (Prepare Settings for Existing Ground Profile)

1. Select the **Surfaces** tab
2. Set the Tin File to **u2547_ph_tnp_040525.tin**
3. Set the Method to **Triangles**
4. Set the Display Setting to **By Feature**.
5. Click on the Paint brush to set the Feature to **50 Exist V PFL Vertical Profile Draw Box** as shown below. (Make sure you are reading from NCDOT ddb file).



Step 6.

Verify your station and settings then **Add Surface Settings**



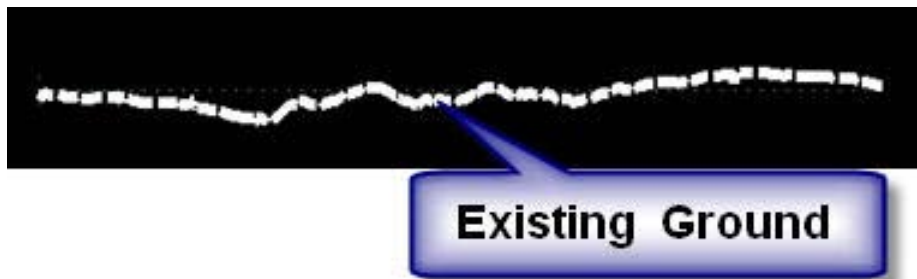
NCDOT ROADWAY PLAN PREPARATION

Step 7.

Saves your Existing Profile Settings in COGO

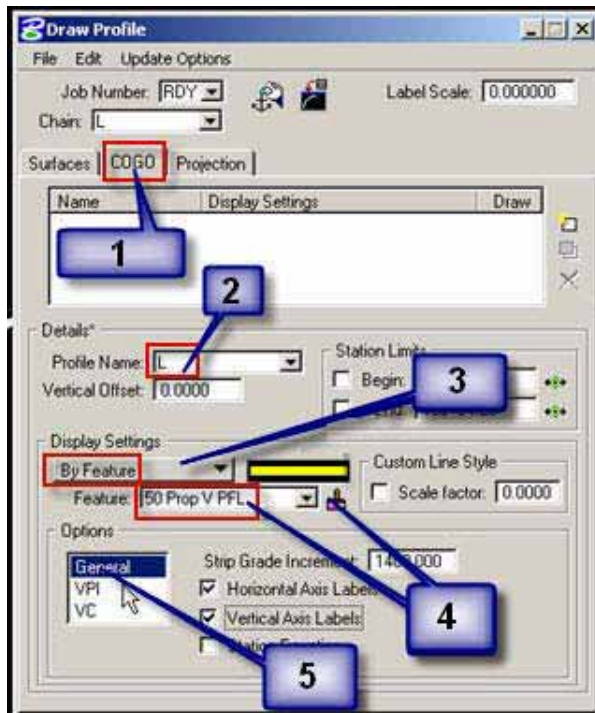


Existing Ground profile will be plotted out similar to the one shown below.



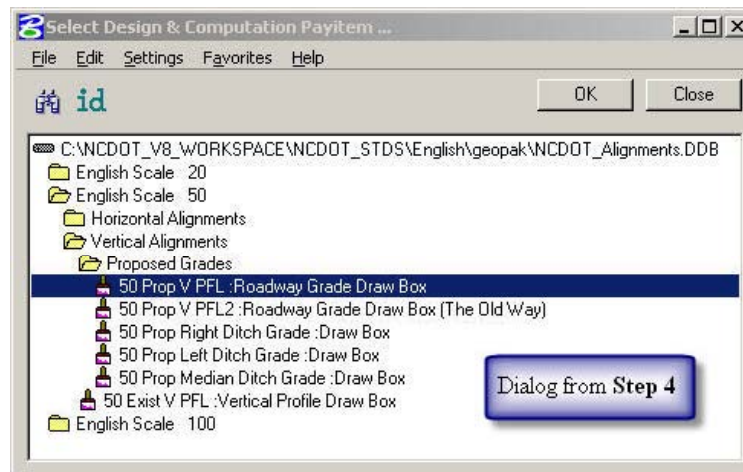
NCDOT ROADWAY PLAN PREPARATION

PART II. Proposed Profile

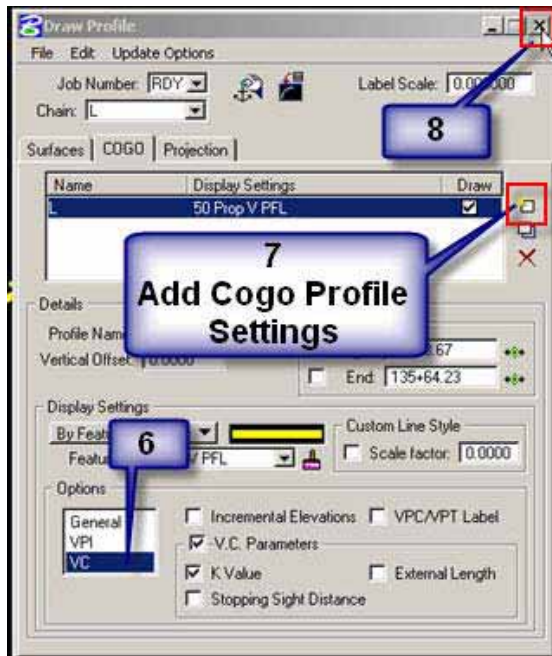


Step 1. (Prepare Settings for a Proposed Profile)

1. Select the **COGO** tab
2. Set your Profile name to **LPRO**
3. Set the Display Setting to **By Feature**
4. Click the Paint brush Set the Feature to **50 Prop V PFL Roadway Grade Draw Box**
5. Set your **Options** for **General** as shown on the left for the **VPI** option toggle on VPI & Grade Labels.



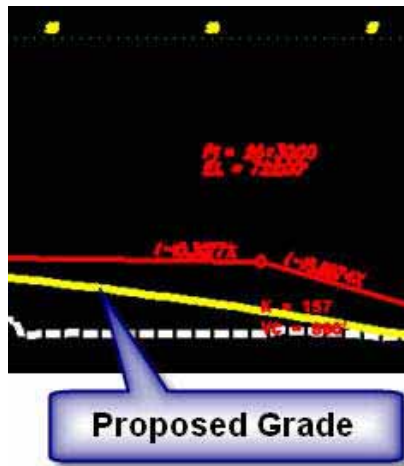
NCDOT ROADWAY PLAN PREPARATION



Step 2. Draw the Proposed Profile

6. Set your **Options** for **VC** as shown on the left.
7. Add your Cogo Profile Settings
8. Close

The Proposed profile will be plotted out similar to the one shown below.



Exercise 5: Draw an existing and proposed profile for Chain Y.

Close the U2457_rdy_pfl.dgn design file.

NCDOT ROADWAY PLAN PREPARATION

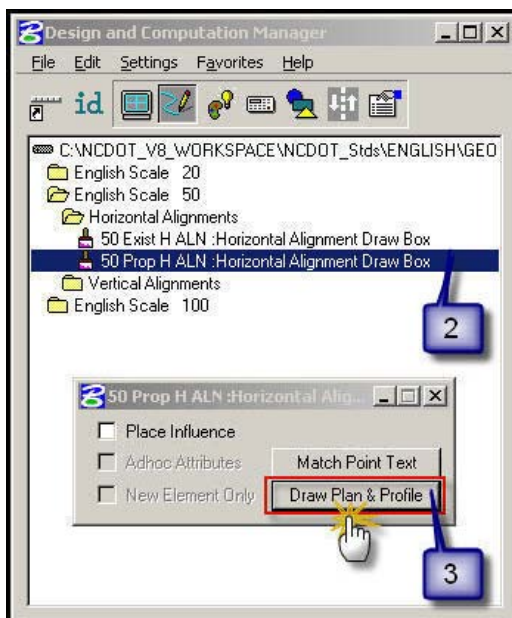
Draw An Alignment Using Geopak D&C Manager

Open the **U2547_rdy_dsn.dgn** design file.



Step 1.

On the **NCDOT_DDB** Tool Frame select the **Alignment D&C Manager** Tool Box.



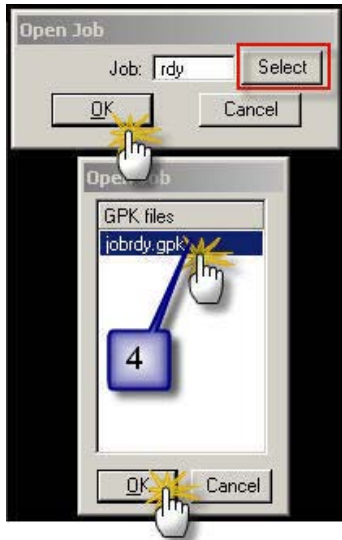
Step 2.

Path to the option for a 50 Scale English Proposed Horizontal Alignment and select this option.

Step 3.

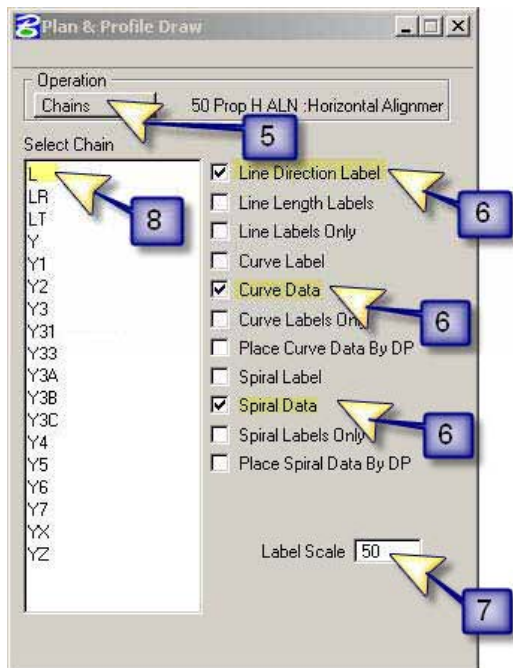
Next select **Draw Plan & Profile**

NCDOT ROADWAY PLAN PREPARATION



Step 4.

Select **jobrdy.gpk** for the Job.



Step 5.

Set the Operation to **Chains**.

Step 6.

Verify what options you want drawn are checked on.

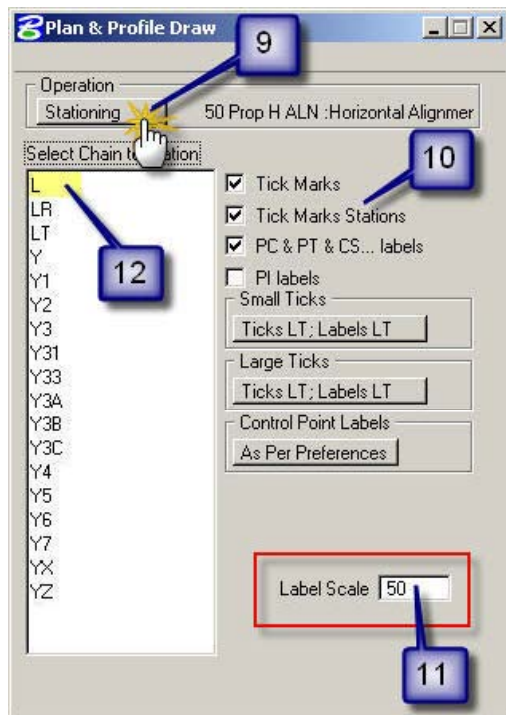
Step 7.

Verify the **Label Scale** has been set to your desired scale in this example **50** is the setting.

Step 8.

Now proceed to selecting the chain you want drawn in the design file, for this example use **L**.

NCDOT ROADWAY PLAN PREPARATION



Step 9.

Set the Operations to **Stationing**.

Step 10.

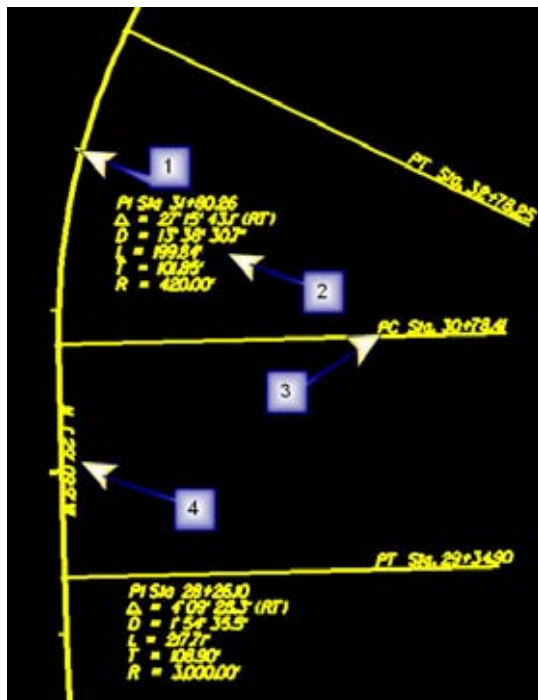
Verify what options you want drawn are checked on.

Step 11.

Verify the **Label Scale** has been set to your desired scale in this example **50** is the setting.

Step 12.

Select the chain you want to station, for this example use **L**.



1. Station Tick Marks

2. Curve Data

3. Station of Chain

4. Line Direction Label (Bearing)

Exercise 4: Draw and Station Chains Y, Y1, Y2

Close the U2457_rdy_dsn.dgn design file.

NCDOT ROADWAY PLAN PREPARATION

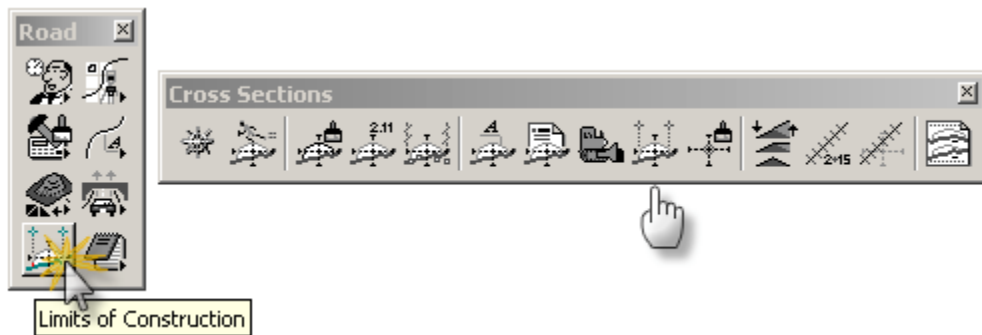
Limits of Constructions

Open the **U2547_rdy_xsc_1.dgn** design file.

Step 1.

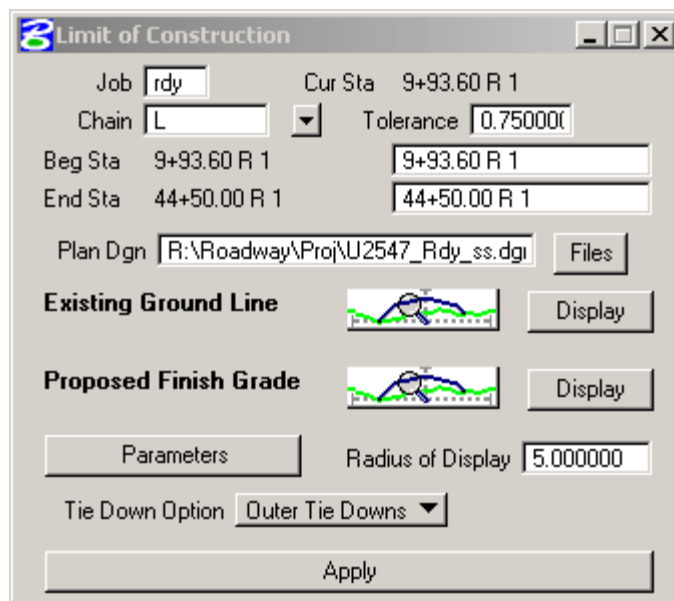
From the **Geopak Road** Tool Frame select the **Cross Section**

Tool Family then select the **Limits of Construction** Tool Box



Step 2.

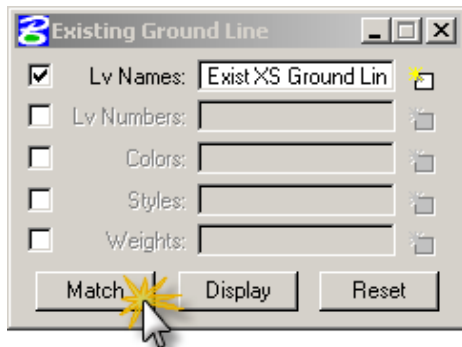
Populate the dialog box as shown below be sure to set the **Plan Dgn**.



NCDOT ROADWAY PLAN PREPARATION

Step 3.

Set the Level name for the Existing Ground Line and Proposed Finish Grade

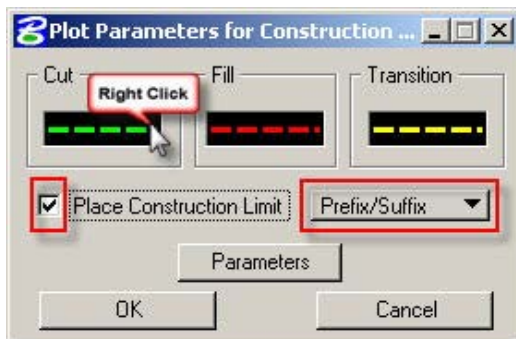


LVNAME = Exist XS Ground Line

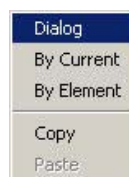
LVNAME = Prop XS Finish Grade Earthwork
LVNAME = Prop XS Subgrade Earthwork

Step 4.

Set the Level name for the Construction Limits by right clicking in black area then selecting dialog. Check on **Place Construction Limit**. Next change the setting to **Prefix\Suffix**.



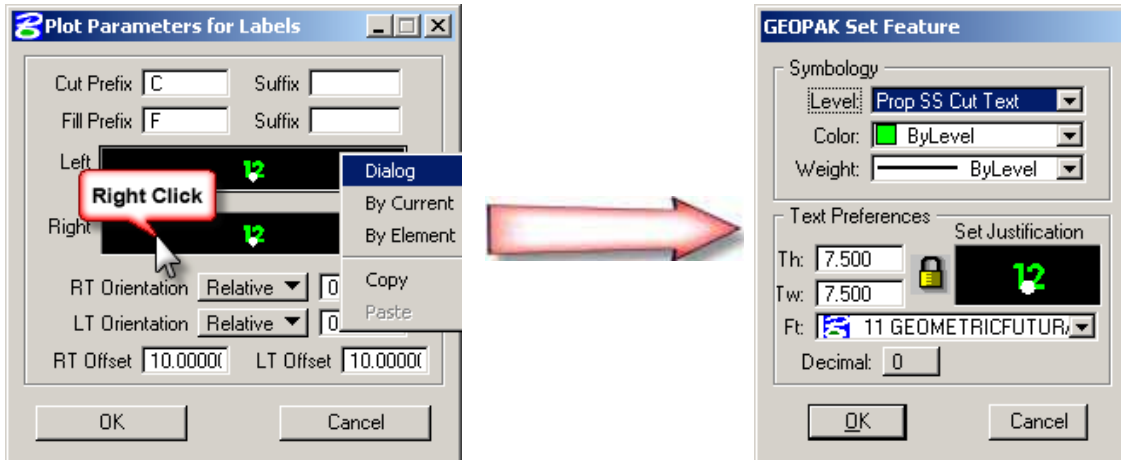
Cut LVNAME = Prop SS Cut Line
Fill LVNAME = Prop SS Fill Line
Transition LVNAME = Prop SS Transition Line



NCDOT ROADWAY PLAN PREPARATION

Step 5.

Set the Parameters for the Construction Limits **Text** by clicking on **Parameters**.

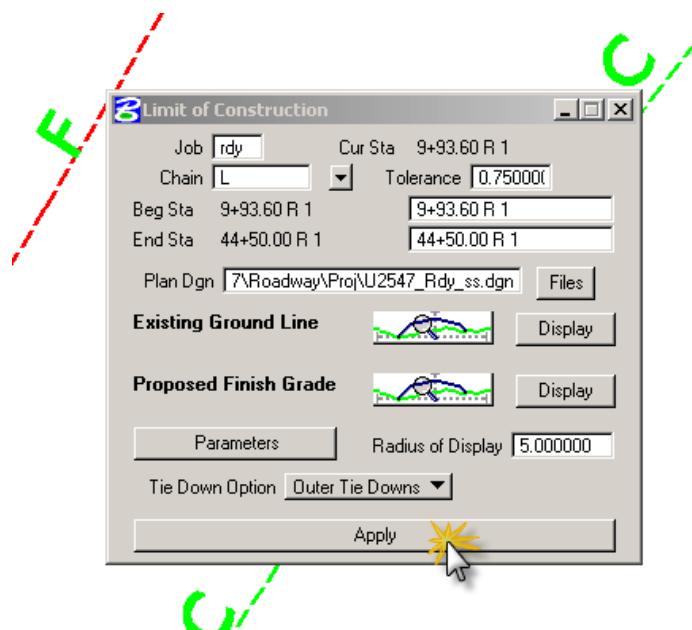


Note:

Due to Current limitation of Geopak only allowing one level for the cut or fill use the Prop SS Cut Text level name for both the Left and Right.

Step 6.

Select **Apply** to draw the Limits of Construction in the U2547_rdy_ss.dgn file.



NCDOT ROADWAY PLAN PREPARATION

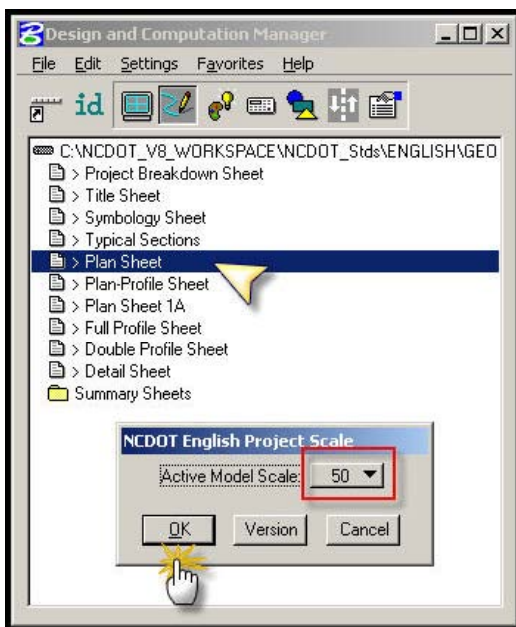
Plan Sheet Layout

Open the **U2457_rdy_psh_lay.dgn** design file and turn off all Reference files except **U2547_rdy_dsn.dgn**.

Step 1. Retrieve a **50** Scale **Plan Sheet** Cell



From the **NCDOT_STDS** Tool Frame pull off the **NCDOT_DDB** Tool Family and select the **DESIGN SHEET D&C** Tool Box



Select **Plan Sheet** then set your scale to **50**

NCDOT ROADWAY PLAN PREPARATION

Step 2.

Place the Plan Sheets Cell(s)

Note:

Rotate your view for each Plan Sheet before placing each individual sheet.



Note:

Use **Rotate View by Two Points** to rotate the view.



Close the U2457_rdy_psh_lay.dgn design file.

NCDOT ROADWAY PLAN PREPARATION

Step 3. Clip the Plan Sheet

Open the **U2457_rdy_psh_04.dgn** design file. All Reference files have been referenced for you for the purpose of the class.

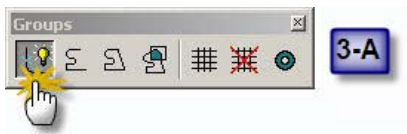


Note:

This is the actual Level Name to be used for the Matchline & Clip Elements shown above.

Note:

Matchlines are drawn **Perpendicular** to the alignment at an **Even** Station We recommend using a station length of **1400'** between the two matchlines. Regardless of the station length used be sure your plan sheet and profile sheets use the same station length when cutting your sheets.



Step 3-A.

Drop the Sheet Clip Boundary Cell



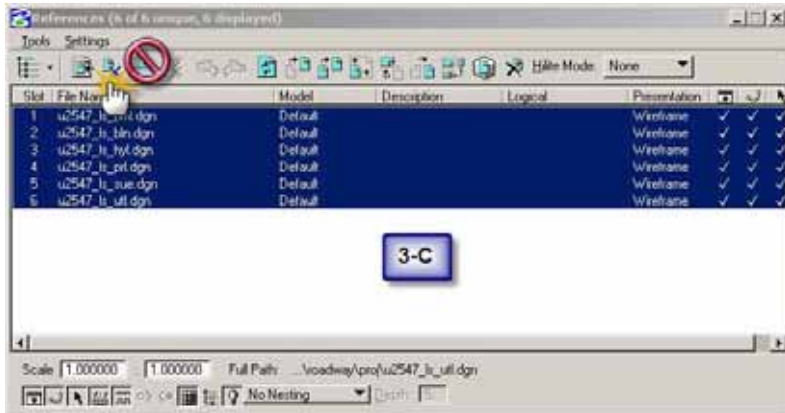
Step 3-B.

Open the **References** Dialog Box

NCDOT ROADWAY PLAN PREPARATION

Step 3-C.

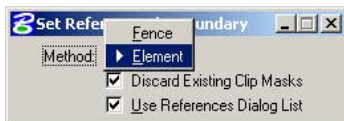
Select all your Reference Files then Use **Clip Reference**  to clip the reference files.



Note: Using **Clip Mask**



will set you up for failure when plotting. **Do not use.**

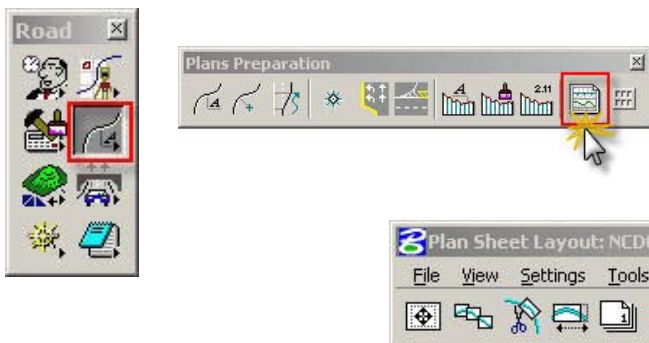


Step 3-D.

Set it to **Element** to clip using the **Sheet Clip Boundary Cell**. This setting will also allow you to clip the reference files dynamically (On the Fly) by using the MicroStation “modify” button.

Note:

The **Geopak Plan & Profile Sheet Layout Tool** shown below is another method for laying out Plan Sheets. The help files on the Roadway Web Page are being updated to our current practice.

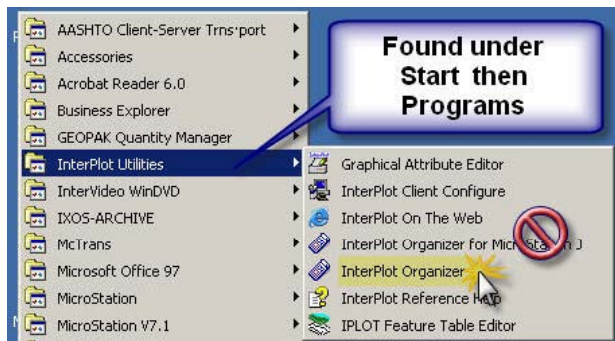


From the **Geopak Road** Tool Frame select the **Plan Preparation** Tool Family then select the **Plan Profile Sheet Composition** Tool Box

Close the **U2457_rdy_psh_04.dgn** design file.

NCDOT ROADWAY PLAN PREPARATION

Iplot Organizer-Plan Sheets



Step 1.

Open **Iplot Organizer** then cancel out of first dialog box.

1

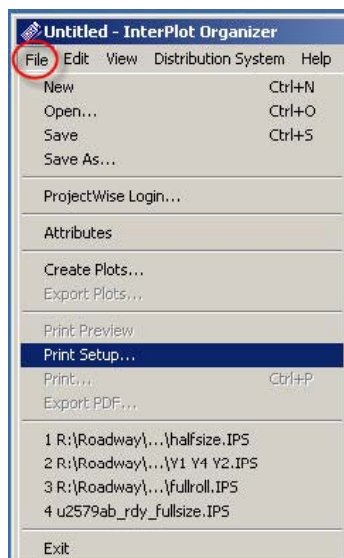


Note: Be sure **not** to open the **Microstation J** version of Iplot Organizer

Step 2.

Set the **Printer** you will be using.

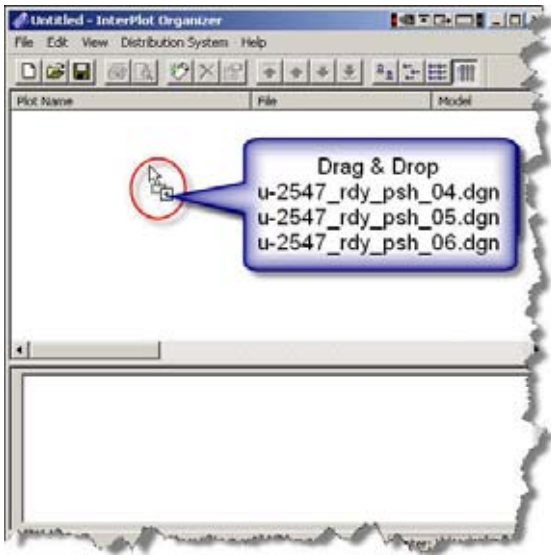
2



NCDOT ROADWAY PLAN PREPARATION

Step 3.

Drag and drop the Plan Sheet Design File(s) into Iplot Organizer



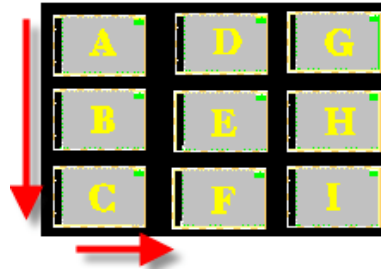
3

Note:

This method will only work with design files that contain only one Sheet Cell. Profile and typical design files usually contain more than one Sheet Cell in the same design file; therefore this method will not work unless you use the "profile" set file. The sheets must be placed in Top view in order from Top to Bottom and then from Left to Right (shown below). After the files are in iplot organizer you will need to change the plot name to what you need. Another method for using iplot organizer will be shown later during the XPL section of the class.

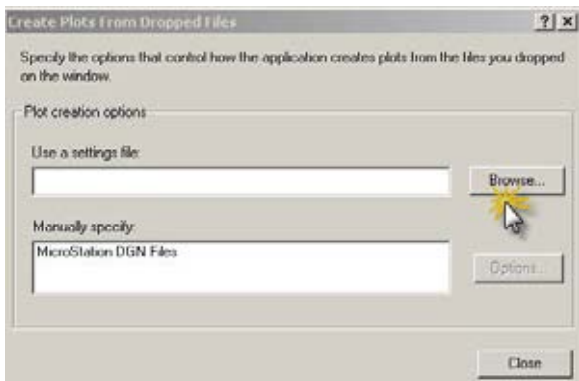
Step 4.

Select your **Settings File**

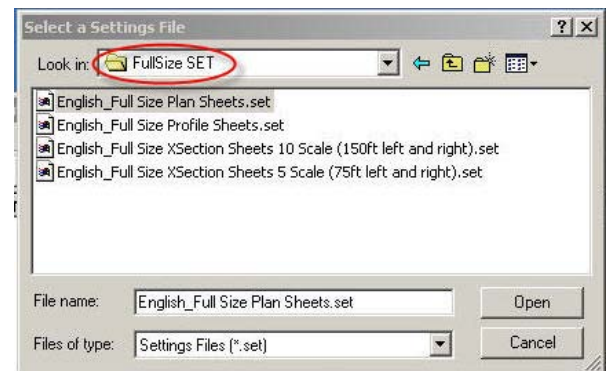


Note: Path for Settings file is

C:\NCDOT_V8_WORKSPACE\ROADWAY_STDS\English\plot\FullSize SET



4



NCDOT ROADWAY PLAN PREPARATION

Step 5.

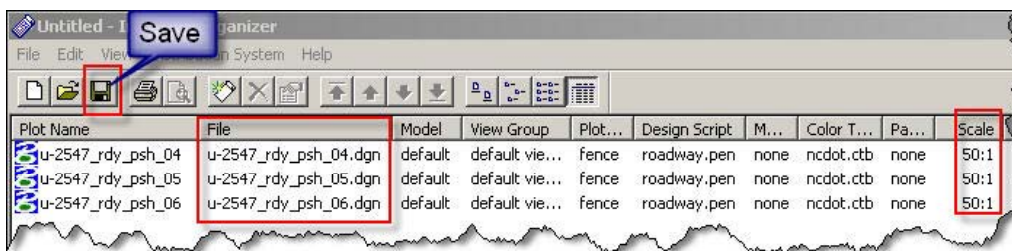
Select **Close** on the dialog box and the settings will be applied.



5

Step 6.

Be sure to select **SAVE** and save the file as **u2547full.ips**



6

Exercise 6: Create a new Iplot Organizer half size set using the same design files. Save file as **u2547half.ips**.

NCDOT ROADWAY PLAN PREPARATION

Generate Existing Ground X-Sections Using Pattern Lines

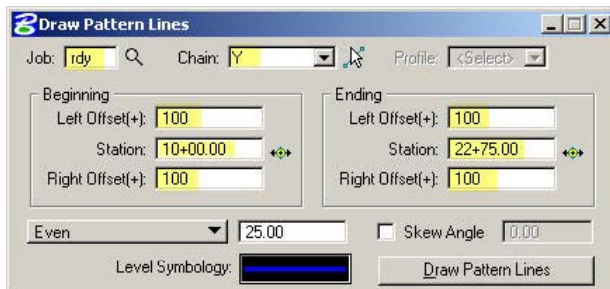
Open the **U2547_rdy_pat_y.dgn** design file.



Step 1.

From the **Geopak Road** Tool Frame select the **Cross Sections** Tool Family then select the **Draw Patterns By Station Range** Tool Box

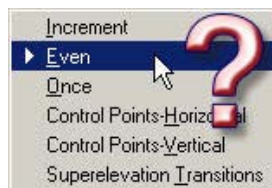
2



Step 2.

Populate the dialog box below to set the pattern line parameters.

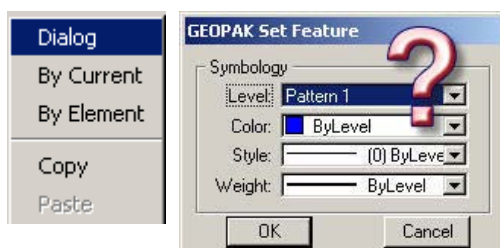
2A



Step 2A.

Select the pattern line type

2B



Step 2B.

Right click in the **Level Symbology** field and select **Dialog** to set the level symbology.

NCDOT ROADWAY PLAN PREPARATION



Step 3. Draw the Pattern Lines

Note:

After the additional (**Once**) X-sections pattern lines have been placed, the pattern lines placed by **Station Range** should be evaluated for proximity to them. If the **Station Range** pattern line is within **10'** (+/-) of an additional (**Once**) pattern line, then the **Station Range** pattern line may be eliminated. The additional (**Once**) pattern line should always take precedence.

NOTES ABOUT PATTERN LINES:

1. Pattern lines are normally drawn at **Even 50'** station increments or a station **Increment** as determined by project situation.
2. **Horizontal Control Points** (ST, TS, PT, PC, etc.)
3. Use the **Once** Setting for the following:
 - All pavement transition points for instance any place the pavement widens or narrows should be picked up with an additional pattern line.
 - Centerline of box culverts or large streams
 - Bridge Ends
 - Retaining Walls
 - Ends of Radius at Intersections : At both Mainline and Y Lines
 - Mainline & ramp gore area ties

NCDOT ROADWAY PLAN PREPARATION

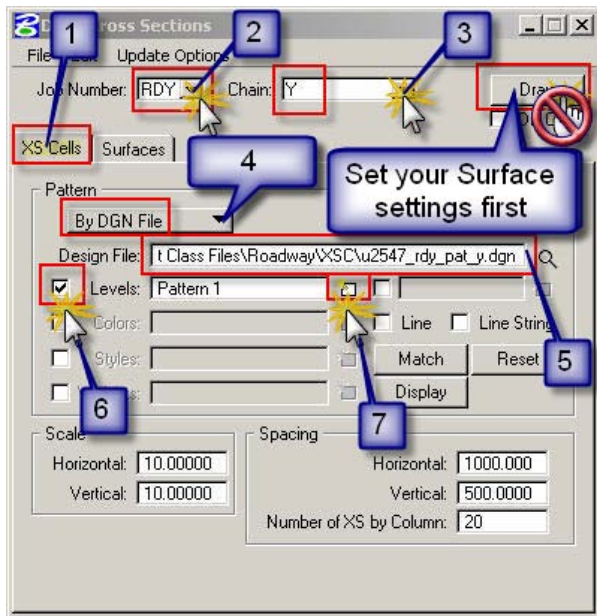
Step 4.

Close the **U2547_rdy_pat_y.dgn** design file and open the **U2547_rdy_xsc_y.dgn** design file.



Step 5.

From the **Geopak Road** Tool Frame select the **Cross Sections** Tool Family then select the **Draw X-Section** from **Surfaces** Tool Box

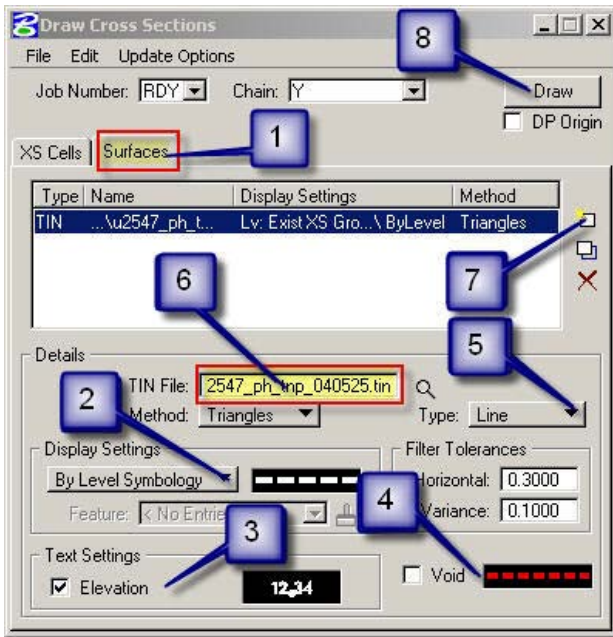


Step 6.

Set your **XS CELLS** settings

1. Verify you are on the **XS CELLS** Tab
2. Select **RDY** for the **Job Number**
3. Select **Y** for the Chain
4. Change from By Station to **By DGN File**
5. Set the Design File to **u2547_rdy_pat_y.dgn**
6. Toggle on **Levels**
7. Set Level Name to **Pattern 1**

NCDOT ROADWAY PLAN PREPARATION



Step 7.

Set your **Surface** Settings then draw the X-Sections

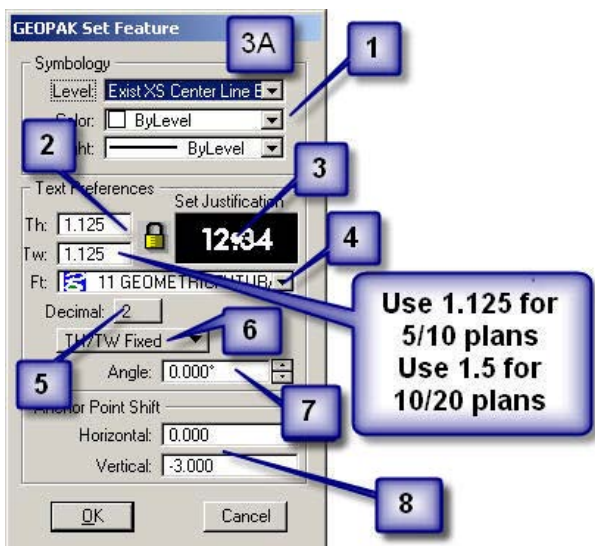
1. Select the **Surfaces** tab
2. Right click in the **Level Symbolology** field and select **Dialog** to set the level symbolology as shown in 2A below
3. Toggle on **Elevation** and change the settings as shown in 3-A below
4. Toggle on **Void** to change settings as shown in 4A below
5. Verify the Type is **Line**
6. Set your TIN File to **u2547_ph_tnp_040525.tin**
7. Add the **Surface**
8. **Draw** your X-Sections



Existing Ground Settings



Void Line Settings



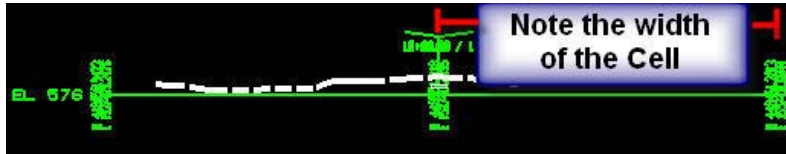
Elevation Settings



Existing Ground X-Section

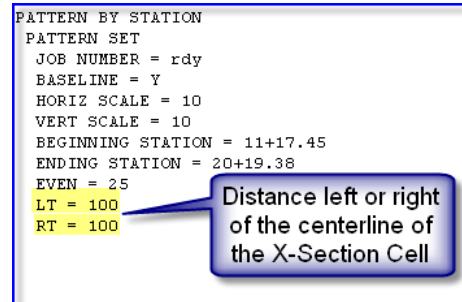
NCDOT ROADWAY PLAN PREPARATION

Generate Proposed X-Sections & XPL's



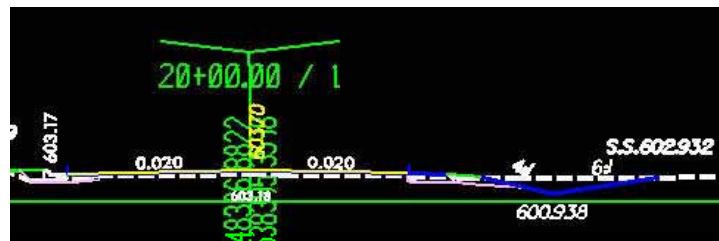
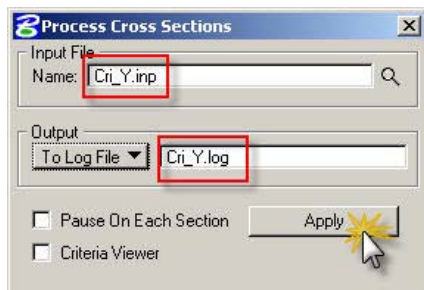
Note:

The distance in the X-Section design file should match the distance in your criteria file



Step 9.

Load the **Cri_Y.inp** criteria file to create the proposed X-Sections.



Step 10.

Close the **U2547_rdy_xsc_y.dgn** design file and open the **U2547_rdy_xpl_y.dgn** design file.

Note:

class files\roadway\jsc u2547_rdy_xpl_y.dgn (2D - V8 DGN) - MicroStation V8 2004 Edition

Xpl's are created while in the XPL file

Step 11.

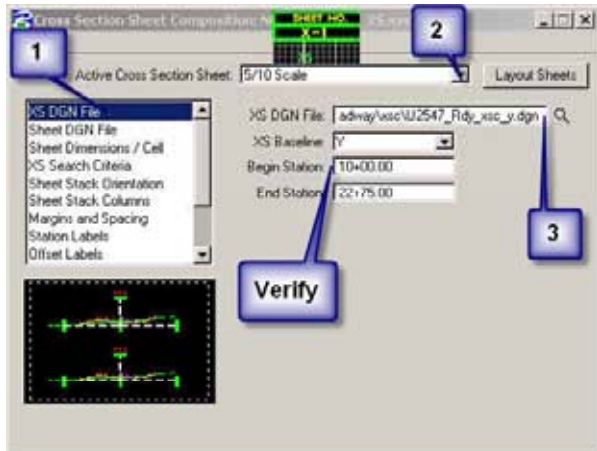
From the **Geopak Road** Tool Frame select the **Cross Sections** Tool Family then select the **Cross Section Sheet Composition** Tool Box



NCDOT ROADWAY PLAN PREPARATION

Step 12.

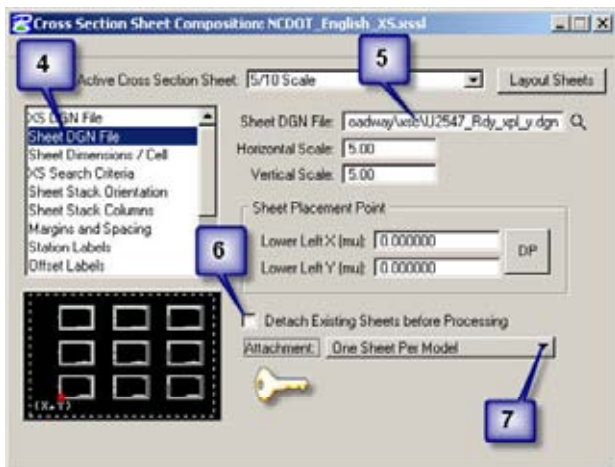
Set your X-Section Design File Parameters as shown:




1. Set to **XS DGN**
2. Set to **5/10 Scale** (75' Left or Right)
3. Select the X-Section **U2547_rdy_xsc_y.dgn**

Step 13.

Set your XPL Design File Parameters as shown:



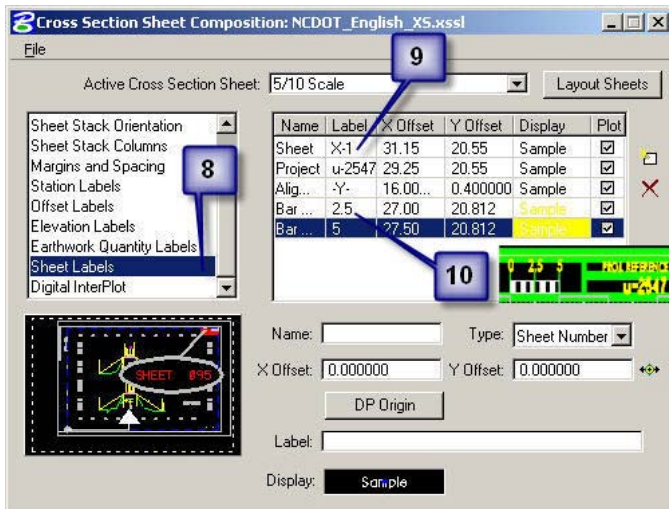
4. Set to **Sheet DGN File**
5. Select the X-Section **U2547_rdy_xpl_y.dgn**
6. **Uncheck** the Detach Existing Sheets before Processing
7. Change to **One Sheet Per Model** 

Note: Verify your levels are not on the default level



Be sure levels do not contain the default level if they do exit out and come back in

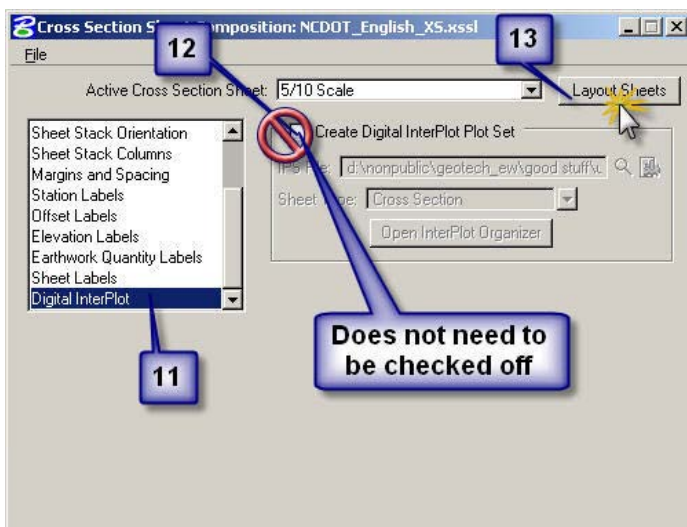
NCDOT ROADWAY PLAN PREPARATION



Step 14.

Set your Sheet Labels as shown:

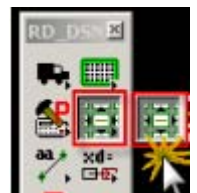
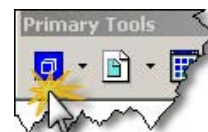
8. Set to **Sheet Labels**
9. Set the sheet parameters
10. Verify your **Bar Scale** settings



Step 15.

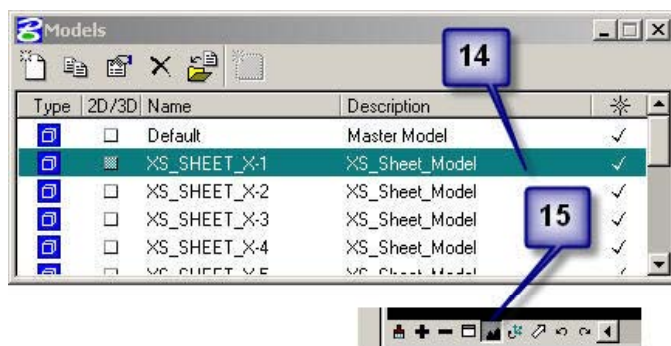
Uncheck Digital Interplot:

11. Set to **Digital InterPlot**
12. Verify it is Unchecked
13. Layout the XPL Sheets



Step 16.

Click on the Model Icon to Navigate through your XPL Sheets or use the Model Navigator



14. Double Click to go to Sheet X-1

15. Fit View

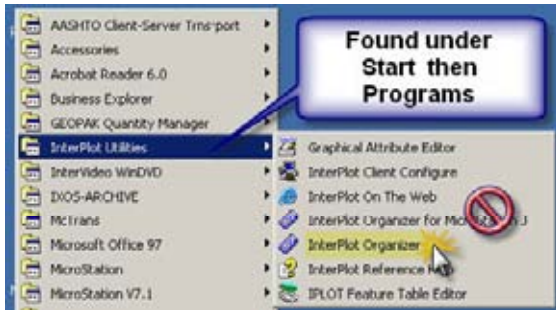
NCDOT ROADWAY PLAN PREPARATION

Iplot Organizer-XPL Sheets

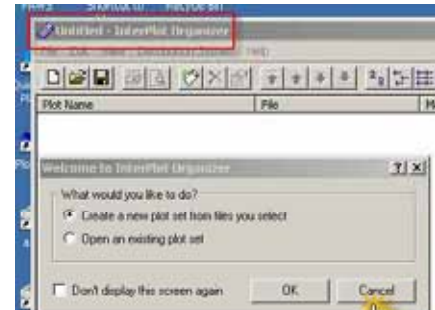
Step 1.

Open **Iplot Organizer** and cancel out of first dialog box.

Note: Be sure **not** to open the **Microstation J** version of Iplot Organizer



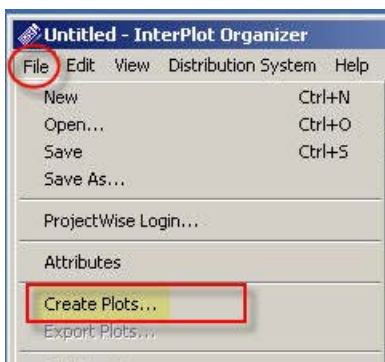
1



2

Step 2.

Set the **Printer** you will be using



3

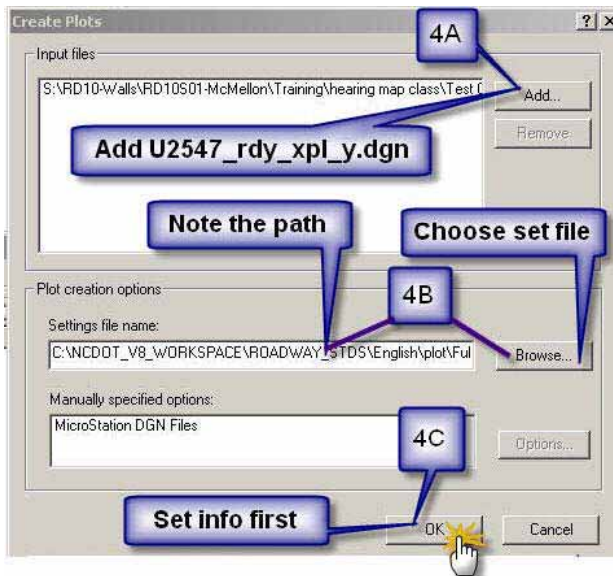
Step 3.

Create Plots. Under Iplot Organizer go to **File** then **Create Plots**.

NCDOT ROADWAY PLAN PREPARATION

Step 4.

Populate the Create Plots dialog box



4A. Add the **U2547_rdy_xpl_y.dgn** to the **Input files** field

4B. Choose your **Settings File**

Path for Full Size use

C:\NCDOT_V8_WORKSPACE\ROADWAY_STDS\English\plot\FullSize SET

Path for Half Size use

C:\NCDOT_V8_WORKSPACE\ROADWAY_STDS\English\plot\HalfSize SET\

4C. Verify all your info has been set, now select **OK** and the settings will be applied.



4B



Step 5. Be sure to select **SAVE** before exiting.

Untitled - InterPlot Organizer									
File Edit View Distribution System Help									
Plot Name	File	Model	View Group	Plot...	Design Script	MS P...	Color T...	Pa...	Scale
u2547_rdy_xpl_y	u2547_rdy_xpl_y.dgn	xs_sheet_x-1	xs_sheet_x...	fence	roadway.pen	none	ncdot.ctb	none	5:1
u2547_rdy_xpl_y1	u2547_rdy_xpl_y.dgn	xs_sheet_x-2	xs_sheet_x...	fence	roadway.pen	none	ncdot.ctb	none	5:1
u2547_rdy_xpl_y2	u2547_rdy_xpl_y.dgn	xs_sheet_x-3	xs_sheet_x...	fence	roadway.pen	none	ncdot.ctb	none	5:1